

## Series DR4500A Digital Circular Chart Recorders

## Model Selection Guide with Price Data

Model Selection Guide  
44-45-16-07 Issue 30

Honeywell Proprietary

### Instructions

- Select the desired Key Number. The arrow to the right marks the selection available.
- Make one selection each from Tables I through VI, using the column below the proper arrow. A dot (•) denotes unrestricted availability. A letter denotes restricted availability.

List Price equals  
the sum of prices for  
all selections made.

Key Number      I      II      III      IV      V      VI  
 [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ]

KEY NUMBER	Selection	Availability							
1 Pen - Classic	DR45A1	↓							
2 Pen - Classic	DR45A2		↓						
Truline	DR45AT			↓					
Truline - Relay Expansion	DR45AR				↓				
Truline - Flow Recorder	DR45AW					↓			
Truline - HTST	DR45AH						↓		
Truline - Pasteurization Recorder - Flow	DR45AP							↓	
Truline - Safety Thermal Limit Recorder	DR45AS								↓

### TABLE I - INPUT

Channel 1	T/C, RTD, mV, 0-5 VDC, 4-20 mA, Radimatic 0-10 VDC	1 ___ 3 ___	• •	• •	• •	c c	• •	• •	• •	
Channel 2	None T/C, RTD, mV, 0-5 VDC, 4-20 mA, Radimatic 0-10 VDC 0-10 VDC	_ 0 _ _ 1 _ _ 1 _ _ 3 _ _ 3 _	• • • •	• • • •	• • • •	• c • c	• • • •	• • • •	• • • •	
Channel 3	None T/C, RTD, mV, 0-5 VDC, 4-20 mA, Radimatic 0-10 VDC	_ _ 0 _ _ _ 1 _ _ _ 3 _	• • •	• • •	• • •	• e e	• • •	• d •	• d •	
Channel 4	None T/C, RTD, mV, 0-5 IVDC, 4-20 mA, Radimatic 0-10 VDC	_ _ _ 0 _ _ _ 1 _ _ _ 3	• • •	• • •	• • •	• g g	• • •	• f •	• f •	

TABLE II - EXTERNAL OUTPUTS (Note 2)	Selection	Availability								
		DR45A	1	2	T	R	W	H	P	S
None	0 _	•	•	•	•	•				•
Control Output #1	1 _	•	•							
Control Output #1	1 _						h	h		
Control Output #1	4 _			•	•					
Pulse Output	5 _					•				
Control Output #1 with FM Approval	6 _	h	h	h						
None	_ 0	•	•	•	•	•	•	•	•	•
Control Output #2	_ 1		j						r	
Control Output #2	_ 4			j	u					
Control Output #2 with FM Approval	_ 6		r	r						

TABLE III - EXTERNAL INTERFACE AND PEN SELECTION	Selection	1	2	T	R	W	H	P	S
None	0 __	•	•	•	•	•	•	•	•
Auxiliary 4-20 mA Output	1 __	•	•	•	•	•	•	•	•
RS485 Modbus RTU Communications	3 __	•	•	•	•	•			
RS485 Modbus RTU plus Auxiliary 4-20mA Output	4 __	•	•	•	•	•			
Standard Pen (Classic) or Truline High Speed Pen	_ 0 _	•	•	•	•	•	•	•	•
Abrasion Resistant Pen on Truline	_ 1 _			k	k	k	k	k	k
None	-- 0	•	•	•	•	•	•	•	
2 Alarms/2 Digital Inputs	-- 1	•	•	•	•	•			•
4 Alarms/2 Digital Inputs	-- 2				v				
6 Alarms/2 Digital Inputs	-- 3				w				
1 Alarm/1 Timer Output/2 Digital Inputs	-- 4	•	•	•	•	•			

TABLE IV - SOFTWARE OPTIONS	Selection	1	2	T	R	W	H	P	S
None	0	•	•	•	•	•	•	•	•
Totalization (Input #1)	A	•	•	•	•	•			
Totalization (Inputs #1 and #2)	E		•	•	•	•			
Totalization (Inputs #1, #2, #3, and #4)	H					•			
FO Sterilization Calculation	F				•				
Math (Note 3)	B			•	•	•			
Totalization (Input #1) Plus Math	K			•	•	•			
Totalization (Inputs #1 and #2) Plus Math	L			•	•	•			
Totalization (Inputs #1, #2, #3 and #4) Plus Math	M					•			



## RESTRICTIONS

Restriction Letter	Available Only With		Not Available With	
	Table	Selection	Table	Selection
c				Not available with T/Cs B, N, R, W; but includes 200 ohm RTD Actuation
d	I	11 __, 31 __, 13 __, 33 __		
e	I	11 __, 31 __, 13 __, 33 __ Not available with T/Cs B, N, R, W; but includes 200 ohm RTD Actuation		
f	I	111 __, 113 __, 131 __, 133 __, 311 __, 313 __, 331 __, 333 __		
g	I	111 __, 113 __, 131 __, 133 __, 311 __, 313 __, 331 __, 333 __ Not available with T/Cs B, N, R, W; but includes 200 ohm RTD Actuation		
h		Available only with 4-20 mA control output		
j	I II	11 __, 31 __, 13 __, 33 __ 1 _ for Classic, 4 _ for Truline (DR45AT or DR45AR)		
k		Available only with chart rotations of 24 to 744 hours on Truline.		
m			V	2 _____, 3 _____ P _____, R _____, S _____,
p	II III	00, 60, 66 __ 0		
q		Not available with NEMA4 Door	V	P _____, R _____, S _____,
r	I II	11 __, 31 __, 13 __, 33 __ 6 __, (1 __, for DR45AP Model) available only with 4-20 mA control output		
t		Not available with CE Mark Option	V	XXXXXX, XXXLXX, XXXMXX, XXXNXX
u	I II	11 __, 31 __, 13 __, 33 __ 1 _ for Classic, 4 _ for Truline (DR45AT or DR45AR) available only with 4 - 20 mA control output		
v	II	4 __, Alarms 1 - 4 Plus 4-20ma Control Output Supplied		
w	II	_ 4, Alarms 1 - 6 Plus 2nd 4-20ma Control Output Supplied		

**Note 1:** Customer must supply Input Actuation Type and Range for each input in free form in order to have unit custom calibrated.

**Note 2:** All control outputs come standard with Accutune II<sup>®</sup> tuning capability. Setpoint Programming capability is available on all models except DR45AH/AS/AP. Each Output Board to be used for control purposes requires an Analog Input be ordered to work properly.

**Note 3:** Math includes Summer, Multiple Divider with Square Root, Multiplier with Square Root, Multiplier Divider, Multiplier, Subtractor Multiplier, HiLo Select.

**Note 4:** Customer must supply completed "Configuration Worksheets" with order for units to be Factory Configured (York Customer Service FAX 717-771-8236)